

LIST OF PRIOR ART CITED BY  
APPLICANT

(PTO-1449)

ATTY. DCK NO.  
UMBC-004APPLN. SERIAL NO.  
09/928,662APPLICANT(S)  
Govind RAOFILING DATE  
August 14, 2001GROUP  
~~1744~~ 1651

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE

## U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER'S INITIALS	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	FILING DATE

## U.S. PATENT APPLICATIONS

EXAMINER'S INITIALS	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

	Chang et al., "Steam-Sterilizable, Fluorescence Lifetime-Based Sensing Film for Dissolved Carbon Dioxide", Biotechnol Prog, March-April, 14 (2):326-331 (1998)
	Bylund et al., "Influence of Scale-Up on the Quality of Recombinant Human Growth Hormone", Biotechnol Bioeng, 69:119-128 (2000)
	Kostov et al., "Low-Cost Microbioreactor for High-Throughput Bioprocessing", Biotechnol Bioeng, February 5, 72 (3):346-52 (2001)
	S.B. Bambot et al., "Lifetime-based optical sensing of pH using resonance energy transfer in sol-gel films", Sensors and Actuators B 22 (1994) pages 181-188
	Sipior et al., "A Lifetime-Based Optical CO2 Gas Sensor with Blue or Red Excitation and Stokes or Anti-Stokes Detection", Anal Biochem, May 20, 227 (2):309-18 (1995)
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	Chae et al., "Framework for Online Optimization of Recombinant Protein Expression in High-Cell-Density Escherichia Coli Cultures using GFP-Fusion Monitoring", Biotechnol Bioeng, August 5, 69 (3):275-85 (2000)
	DeLisa et al., "Monitoring GFP-Operon Fusion Protein Expression during High Cell Density Cultivation of Escherichia Coli using an On-Line Optical Sensor", Biotechnol Bioeng, October 5, 65(1) :54-64 (1999).

EXAMINER  
DATE CONSIDERED  
04/23/2003

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						Yes	No

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

<i>J</i>	Isabelle Walther et al., "Performance of a miniaturized bioreactor in space flight: microtechnology at the service of space biology", pages 778-783.
<i>J</i>	Gregor Liebsch et al., "Luminescence Lifetime Imaging of Oxygen, pH, and Carbon Dioxide Distribution Using Optical Sensors", Volume 54, pages 548-559.
<i>J</i>	Yordan Kostov et al., "Low-cost device for ratiometric fluorescence measurements", pages 4466-4470.
<i>J</i>	Y. Kostov et al., "Solid State Luminescence Phase-Shift Oxygen Sensor for Biotechnology", pages 201-205.
<i>J</i>	Yordan Kostov et al., "Unique Oxygen Analyzer Combining a Dual Emission Probe and a Low-Cost Solid-State Ratiometric Fluorometer", Volume 54, pages 864-868.
<i>J</i>	Yordan Kostov et al., "All Solid-State GFP Sensor", Biotechnology and Bioengineering, Vol. 70, No. 4, November 20, 2000, pages 473-477.
<i>J</i>	Zhong Xu et al., "A novel fiber-optic pH sensor incorporating carboxy SNAFL-2 and fluorescent wavelength-ratiometric detection", pages 9-15.
<i>J</i>	Lisa Randers-Eichhorn et al., "On-Line Green Fluorescent Protein Sensor with LED Excitation", Biotechnology and Bioengineering, Vol. 55, No. 6, September 20, 1997, pages 921-926.
<i>J</i>	Shabbir B. Bambot et al., "Phase Fluorometric Sterilizable Optical Oxygen Sensor", Biotechnology and Bioengineering, Vol. 43, pages 1139-1145.

EXAMINER

*K-C. Sood*

DATE CONSIDERED

*04/28/2003*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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